

## EAST Search History

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| L1    | 6327 | laser same active same width   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/02/23 08:33 |
| L4    | 136  | laser same active same (width with (micrometer or ".mu.m."))               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/02/23 08:37 |
| L5    | 2    | laser same active same (width with (micrometer or ".mu.m.")) same taper\$2 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/02/23 09:06 |
| L6    | 0    | (tapered with laser) same (aspheric adj lens) same (raleigh near2 length)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/02/23 09:09 |
| L7    | 0    | (aspheric adj lens) same (raleigh near2 length)                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/02/23 09:09 |
| L8    | 0    | (tapered with laser) same (aspheric adj lens) same raleigh                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/02/23 09:08 |
| L9    | 0    | (aspheric adj lens) same raleigh   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/02/23 09:09 |
| L10   | 0    | (tapered with laser) same lens same (raleigh near2 length)                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/02/23 09:09 |

## EAST Search History

|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| L11 | 1   | (tapered with laser) same lens same raleigh  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/02/23 09:09 |
| L12 | 40  | laser same lens same raleigh   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/02/23 09:10 |
| L13 | 0   | laser same (aspheric adj lens) same raleigh  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/02/23 09:10 |
| S1  | 1   | ("5867512").PN.  | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/16 17:38 |
| S2  | 25  | ("5121398"   "5255273"   "5319668"   "5594744").PN. OR ("5867512").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2005/08/16 17:38 |
| S3  | 275 | (tunable or tuned or tuning) and (Littman or Littrow) and resonator  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/17 10:56 |
| S4  | 48  | (tunable or tuned or tuning) and (Littman or Littrow) and resonator and ((diode or source or laser) with facet\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/17 10:05 |
| S5  | 15  | (US-5867512-\$ or US-6901088-\$ or US-6882433-\$ or US-6856632-\$ or US-6847661-\$ or US-6710914-\$ or US-6690690-\$ or US-6625183-\$ or US-6606340-\$ or US-6597710-\$ or US-6108355-\$ or US-5594744-\$ or US-5319668-\$ or US-5255273-\$ or US-5121398-\$).did. | USPAT   | OR | ON  | 2005/08/17 09:37 |
| S6  | 2   | S5 and (aspheric\$2)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/17 09:39 |

## EAST Search History

|     |    |  |   |    |    |                  |
|-----|----|--|---|----|----|------------------|
| S7  | 0  | S5 and (Raleigh)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/17 09:39 |
| S8  | 5  | S5 and (reflectivity)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/17 09:39 |
| S9  | 5  | S5 and ((front and rear) with facet)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/17 09:45 |
| S10 | 46 | (tunable or tuned or tuning) and (Littman or Littrow) and ((front and rear) with facet\$2)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/17 09:48 |
| S11 | 0  | ("2005/0105567").URPN.   | USPAT   | OR | ON | 2005/08/17 09:54 |
| S12 | 0  | ("2005/0105566").URPN.   | USPAT   | OR | ON | 2005/08/17 09:54 |
| S13 | 0  | ("2005/0163172").URPN.   | USPAT   | OR | ON | 2005/08/17 09:55 |
| S17 | 21 | "347213"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/17 10:06 |
| S18 | 23 | (US-20050105567-\$ or<br>US-20050105566-\$ or<br>US-20050163172-\$).did. or<br>(US-5867512-\$ or US-6901088-\$<br>or US-6882433-\$ or US-6856632-\$<br>or US-6847661-\$ or US-6710914-\$<br>or US-6690690-\$ or US-6625183-\$<br>or US-6606340-\$ or US-6597710-\$<br>or US-6108355-\$ or US-5594744-\$<br>or US-5319668-\$ or US-5255273-\$<br>or US-5121398-\$ or US-5537432-\$<br>or US-6205159-\$ or US-6282215-\$<br>or US-6912235-\$).did. or<br>(EP-347213-\$).did. | US-PGPUB;<br>USPAT;<br>DERWENT                                    | OR | ON | 2005/08/17 10:36 |

## EAST Search History

|     |    |   |   |    |    |                  |
|-----|----|---|---|----|----|------------------|
| S19 | 2  | S18 and (active with width)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/17 10:37 |
| S20 | 1  | S18 and (Raleigh)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/17 10:37 |
| S21 | 16 | S18 and (width)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/17 10:37 |
| S22 | 22 | (tunable or tuned or tuning) and<br>(Littman or Littrow) and (active<br>with width)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/17 11:01 |
| S23 | 2  | (tunable or tuned or tuning) and<br>(Littman or Littrow) and (Raleigh<br>with length) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/17 11:05 |
| S24 | 1  | (Littman) and (Raleigh with<br>length)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/17 11:05 |
| S25 | 2  | (Littman or Littrow) and (Raleigh<br>with length)                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/17 11:05 |
| S26 | 11 | (Littman or Littrow) and (Raleigh)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/08/17 11:05 |